Part 9 - Class as the Basis of all Computation

I.Objective Type Questions:

1. Which operator instantiates a class by allocating memory for a new object?

   A) allocate

   B) memory

   C) new

   D) create

2. You can assess the member variables using:

   A) new operator

   B) dot operator

   C) increment operator

   D) ternary operator

3. Which of the following is a primitive data type?

   A) byte

   B) short

   C) boolean

   D) All of the above

4. In a method call, the composite data types are passed:

   A) By value only

   B) By reference only

   C) Both by value and reference

   D) Cannot be passed

5. Which of the following is a composite data type?

   A) class

   B) arrays

   C) String

   D) All of the above

6. When composite data is copied to a variable:

   A) the variable gets its own unique copy of the data, stored separately in memory

B) only a reference to the data is stored in the variable.

C) nothing is stored in the variable.

D) cannot copy composite data to a variable

7. A class contains:

A) member variables only

B) member methods only

C) void methods only

D) member variables and member methods

8. When two variables containing composite data are compared, they are compared:

A) By value only

B) By reference only

C) Both by value and reference

D) Cannot be compared

9. A class created by a programmer is:

A) User-defined data type

B) Primitive data type

C) System defined data type

D) A programmer cannot create classes in Java

10. Choose the method that converts a string to a primitive integer data type:

A) Integer.parse()

B) Integer.toString()

C) Parse.IntegerNumber()

D) Integer.parseInt()

11. Given the following statements:

1) An integer variable contains the value itself.

2) An object variable contains the address where the object is stored.

A) Only 1) is true

B) Only 2) is true

C) Both 1) and 2) are true

D) 1) is true but 2) is false

12. Choose the correct statement:

A) Primitive data types are predefined by the language

B) Composite data types are constructed using primitive data types

C) User defined data types are created by user to perform specific tasks

D) All of the above statements are true

13. Choose the method that converts a string to a primitive float data type:

A) Float.parseFloat()

B) Float.convert()

C) Parse.floatNumber()

D) Float.parse()

14. Choose the correct answer in reference to the following statement:

Employee staff = new Employee();

A) It creates an object named new of class type Employee

B) It creates an object named Employee of class type staff

C) It creates an object new Employee of class type staff

D) It creates an object named staff of class type Employee

15. The keyword that distinguishes between instance variable and class variable is:

A) static

B) final

C) private

D) protected